

Claims

1. An arrangement for a wire section of a paper or board machine, in which a web is formed between two wire loops (13, 14), in connection with which dewatering elements (12, 17, 15, 28) are placed and in which water is drained from a stock suspension from between said two wires (13, 14), **characterized** in that, in the region of a twin-wire zone, a suction roll (15) is placed within one wire loop and a suction box (16) having a curved surface is situated in opposed relationship with the suction roll (15) on the side of the other wire loop, and that after the suction box (16) the web is guided, due to the effect of a vacuum of the suction roll (15), forwards on the surface of the wire loop on the side of the suction roll (15).
2. An arrangement as claimed in claim 1, **characterized** in that one wire loop is separated from the web in the region of the suction roll (15).
3. An arrangement as claimed in claim 2, **characterized** in that the suction roll (15) has a suction zone (26) at least after the suction box, thereby assuring the transfer of the web on the surface of the wire loop on the side of the suction roll (15).
4. An arrangement as claimed in claim 2, **characterized** in that the suction roll (15) has two suction zones (25, 26), the first of them removing water from the web and the second of them assuring the transfer of the web on the surface of the wire loop on the side of the suction roll (15).
5. An arrangement as claimed in claim 1-4, **characterized** in that the web is passed to further processing from the surface of the wire loop on the side of the suction roll (15) by means of a transfer suction roll (18) and a curved surface suction box (19) placed in connection with the transfer suction roll (18) within the wire loop on the side of the suction roll (15).

6. An arrangement as claimed in claim 5, **characterized** in that rewetting of the web is prevented by means of the latter suction box (19).
7. An arrangement as claimed in any one of claims 1-6, **characterized** in that by
5 regulating the dewatering ratio between the two curved surface suction boxes it is possible to control the two-sidedness of paper.
8. An arrangement as claimed in any one of claims 1-7, **characterized** in that the
10 suction box (16) acts on the side of one surface of the web and the suction box (19) acts on the side of the web surface opposite to that of the suction box (16).
9. An arrangement as claimed in any one of claims 1-8, **characterized** in that the wire on the side of the suction roll (15) is a lower wire (14).
- 15 10. An arrangement as claimed in any one of claims 1-9, **characterized** in that the wire on the side of the suction box (16) is an upper wire (13).